SCENARIO

Heavy rains, combined with snow melt due to a recent warm period, have caused significant ground saturation and rapidly rising rivers. A nearby reservoir is overflowing the dam, and there are concerns about the dam maintaining its integrity. The weather forecast calls for steady temperatures above normal and the continued threat of more precipitation over the next seven to ten days.

The hospital grounds are saturated and there is an inflow of water onto the grounds from the street and local creeks, creating large areas of pooled, deep water in low lying areas. These areas have been cordoned off for safety. Water continues to flow onto the grounds.

With the weather report, the water levels are expected to continue to rise and cause more facility/grounds flooding. The main entrance and the entrance to the Emergency Department will soon be flooded, and require these areas to be cordoned off, patient rerouted and the ED to be relocated. Should the water levels continue to rise, there could be major flooding of the first floor of the hospital.



INCIDENT PLANNING GUIDE

Does your Emergency Management Plan Address the following issues?

Mitigation & Preparedness Does your hospital have a plan to address flooding on the grounds and measures to prevent water 1. from flowing into the facility (i.e., sandbags, pumps, etc.)? Does your hospital have a plan to address possible loss of water/pressure, power failure, loss of 2. operations due to area or facility flooding? Does your hospital have procedures to communicate situation and safety information to staff and 3. patients that are not in the flooded/potentially flooded areas? 4. Does your hospital have an evacuation plan (partial and complete)? Does your hospital have an alternate staffing plan and a process to support on-duty staff should they 5. be unable to leave the facility due to flooding? Does your facility have MOUs with fuel suppliers to ensure a supply of fuel for emergency generators 6. and vehicles? Does your facility have a plan to maintain water and sanitation systems, including providing personal 7. hygiene/sanitation supplies (i.e., hand wipes, portable toilets, potable water)? Does your hospital have procedures to maintain communications and activate internal and external 8. auxiliary communications systems, if needed? Does your hospital have criteria for and a plan to cancel non-essential patient care services (i.e., 9. surgeries, outpatient procedures, etc.)? Does your hospital have criteria for and a plan to close non-essential hospital services (i.e., gift 10. shop)? Does your hospital consider relocating hazardous materials/chemical agents to prevent contamination 11. in case of flooding? 12. Does your hospital regularly monitor pre-event weather forecasts and projections? Does your hospital participate in pre-event local response planning with emergency management 13. officials? Does your hospital identify and/or have MOUs with contractors that can perform repairs after the 14.

Response & Recovery

flooding?

1. Does your hospital have a procedure to regularly update the local EOC of operational status?

Does your hospital have plans to protect or recover lost data or wet/damaged documents?

Does your hospital have procedures to perform damage assessment (interior and exterior), report damage to the HCC and initiate appropriate repairs during and after the storm(s) and flooding of the facility?



15.

INCIDENT PLANNING GUIDE

3. Does your hospital have a plan and procedures to ensure continuation of patient care services? Does your hospital have a criteria or triggers to move patients from flooded areas to other locations 4. within the facility? Does your facility have a procedure to communicate with area hospitals to determine their capacity to 5. accept transferred patients? Does your hospital have procedures for providing regular situation updates and safety 6. recommendations to staff, patients and families? 7. Does your hospital have procedures to provide regular media briefings? Does your hospital have plans for decontamination and clean-up of the facility including 8. bacteriological surveillance and potable water supply sanitation? Does your hospital have plans for restoration of critical infrastructure (e.g. electrical, heating, 9. cooling systems, HVAC, vacuum tube, etc.)? 10. Does your hospital have demobilization and system recovery plan? 11. Does your hospital have procedures to repatriate evacuated patients/staff/equipment? 12. Does your hospital have procedures for documentation and tracking of response expenses? 13. Does your hospital have criteria and procedures to return to normal operations? Does your hospital have procedures to ensure all necessary equipment is usable and safety 14. checked, equipment and supplies are reordered, and repaired and replaced, as warranted? Does your hospital have procedures to complete expense reports and submit to appropriate 15. authorities? 16. Does your hospital have procedures to debrief staff, patients, and community partners?



INCIDENT RESPONSE GUIDE

Mission: To safely manage an internal flooding incident within a hospital.

Direc	tions			
	Read t	his entire response guide and review incident management team chart		
	Use th	is response guide as a checklist to ensure all tasks are addressed and completed		
Objec	tives			
	Preven	t facility flooding		
	Protect	Protect patients, staff and facility		
	Ensure	nsure safe patient care and medical management		
	Evacua	acuate the facility (partial or complete) as needed		
Immediate (Operational Period 0-2 Hours)				
COMMAND				
	(Incide	nt Commander):		
		Activate the facility Emergency Operations Plan		
		Activate Command Staff and Section Chiefs, as appropriate		
	(Liaison Officer):			
		Notify local emergency management of situation and immediate actions		
		Communicate with other healthcare facilities to determine:		
		Situation status		
П		Surge capacity		
Ш		Patient transfer/bed availability		
		Ability to loan needed equipment, supplies, medications, personnel, etc.		
	(Public Information Officer):			
		Inform staff, patients and families of situation and actions underway to prevent/limit flooding		
		Prepare media staging area in a safe locations		
		Conduct regular media briefings, in collaboration with the local EOC/Joint Information Center		
	(Safety	Officer):		
		Conduct safety assessment of low lying flooded areas and assess risks and impacts to patients, staff and facility		



	OPERATIONS				
		Activate the hospital's Internal Flooding Plan			
		Ensure continuation of patient care and essential services			
		Consider partial or complete evacuation of the facility, or relocation of patients and services into safe areas of the facility			
		Ensure the operations of alternate power supplies (i.e., back up generators)			
		Maintain communications systems, activate alternate communications systems, as needed			
		Evaluate the flooded area(s) and identifying safety issues			
		Institute measures to prevent flooding and protect facility resources, as appropriate			
		Secure the facility and limit access and egress			
		Implement business continuity planning and protection of patient records			
	PLANN	NNING			
		Establish operational periods, incident objectives and develop the Incident Action Plan, in collaboration with the Incident Commander			
		Implement patient and staff tracking, as appropriate			
	LOGIS	TICS			
		Assess facility damage and project impacts of rising flood waters on the facility			
		Maintain utilities and activate alternate systems as needed			
Intern	nediate ((Operational Period 2-12 Hours)			
	COMM	AND			
	(PIO):				
		Establish a patient information center in coordination with the Liaison Officer to notify patient families of situation and patient locations			
	(Liaisor	Liaison Officer):			
		Notify local emergency management and EOC of situation status, critical needs and plans for evacuation, if appropriate			



	OPERATIONS				
		Continue essential patient care management and services			
		Initiate clean up operations, as appropriate			
		Reassess need for or prepare for evacuation			
		Continue to maintain utilities			
		Provide mental health support to patients and families, as needed			
		Continue to secure the facility, including unsafe areas			
		Activate business continuity plans, including protection of records and possible relocation of business functions			
	PLANNING				
		Continue patient and personnel tracking, as needed			
		Update and revise the Incident Action Plan and distribute to Command Staff and Section Chiefs			
LOGISTICS		TICS			
		Continue to evaluate facility integrity and safety of flooded areas			
		Initiate clean up as appropriate			
	FINAN	CE/ADMINISTRATION			
		Track costs and expenditures and estimate cost of facility damage and lost revenue			
		Initiate documentation of any injuries or facility damage			
		Facilitate the procurement of supplies, equipment and medications and contracting for facility clean up or repair			



Extended (Operations/EOC Activation Beyond 12 Hours)			
COMMAND			
(Incident Commander):			
	Update and revise the Incident Action Plan and prepare for demobilization		
	Continue to update internal leaders on the situation status		
(PIO):			
	Continue with briefings and situation updates with staff, patients and families		
	Continue patient information center operations, in collaboration with Liaison Officer		
(Liaisor	n Officer):		
	Continue to notify local EOC of situation status		
	Continue patient information center operations, in collaboration with PIO		
(Safety):		
	Continue to evaluate flooded areas and facility integrity for safety and take immediate corrective actions		
OPERA	ATIONS		
	Continue essential patient care management and services		
	Continue repair and clean up operations, as appropriate		
	Continue evacuation of the facility, if implemented		
	Ensure the transfer of patient's belongings, medications and records, when evacuated		
	Continue to maintain utilities		
	Continue to secure the facility, including unsafe areas		
	Continue business continuity activities and relocation of business services, if appropriate		
	Prepare for demobilization and system recovery		
PLANN	IING		
	Revise and update the incident action plan		
	Initiate demobilization plan and plan for system recovery		
	COMM (Incider (PIO): (Cliaisor (Safety (Safety (Company) (PIO): (PIO): (Company) (PIO): (PIO)		



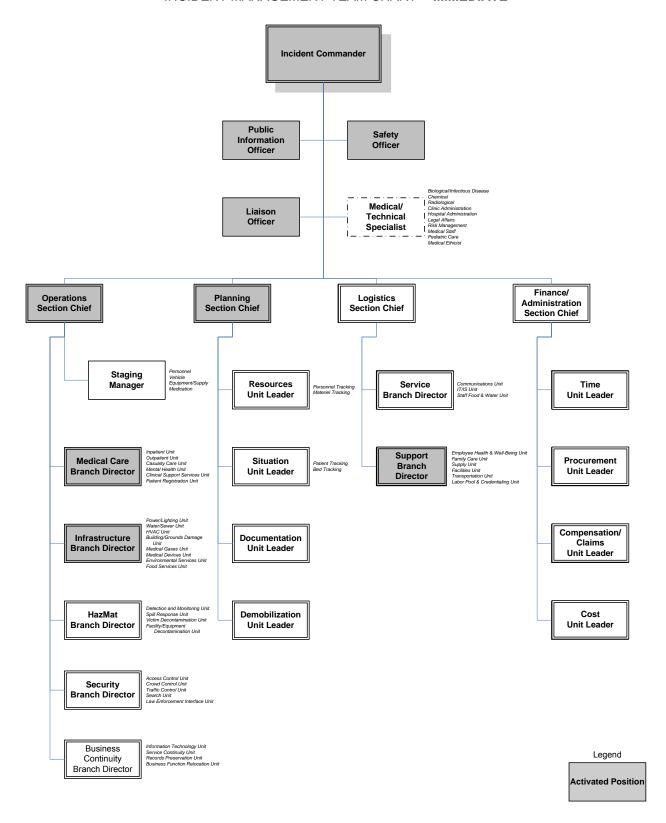
	LOGISTICS			
		Provide supplemental staffing as needed		
		Continue to evaluate facility damage and integrity and initiate clean up and repair activities		
	FINAN	FINANCE/ADMINISTRATION		
		Continue to track costs and expenditures		
		Continue to facilitate contracting for facility repair and clean up		
Demo	bilizatio	on/System Recovery		
	COMM	AND		
П	(Incide	nt Commander):		
		Determine hospital status and declare termination of the incident		
	(Liaisor	n Officer):		
		Communicate final hospital status and termination of the incident to local EOC, area hospital and officials		
		Assist with the repatriation of patients transferred		
	(PIO):			
		Conduct final media briefing and assist with updating staff, patients, families and others of the termination of the event		
	(Safety	Officer):		
		Ensure facility safety and restoration of normal operations		
		Ensure facility repairs are completed, in conjunction with the Operations and Logistics Sections		
	OPERA	ATIONS		
		Restore normal patient care operations		
		Ensure restoration of utilities and communications		
		Complete a facility damage report, progress of repairs and estimated timelines for restoration of facility to pre-event condition		



	PLAN	NING
		Complete a summary of operations, status, and current census
		Conduct after-action reviews and debriefings
		Develop the after-action report and improvement plan for approval by the Incident Commander
	LOGIS	TICS
		Restock supplies, equipment, medications, food and water
		Ensure communication and IT/IS operations return to normal
		Provide stress management and mental health support to staff
	FINAN	CE/ADMINISTRATION
		Compile a final report of response and facility repair costs for approval by the Incident Commander
		Work with local, state, and federal emergency management to begin reimbursement procedures for cost expenditures related to the event
		Contact insurance carriers to assist in documentation of structural and infrastructure damage and initiate reimbursement and claims procedures
Docu	ments a	nd Tools
	Hospita	al Emergency Operations Plan
	Hospital Evacuation Plan	
	Flood Response Plan	
	Utility Failure Plans	
	Facility and Departmental Business Continuity Plans	

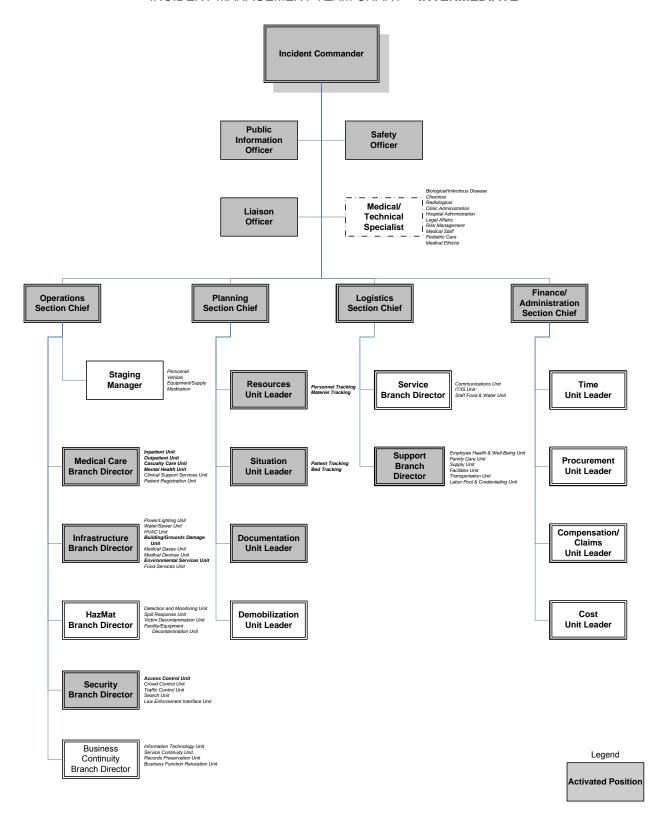


INCIDENT MANAGEMENT TEAM CHART -- IMMEDIATE



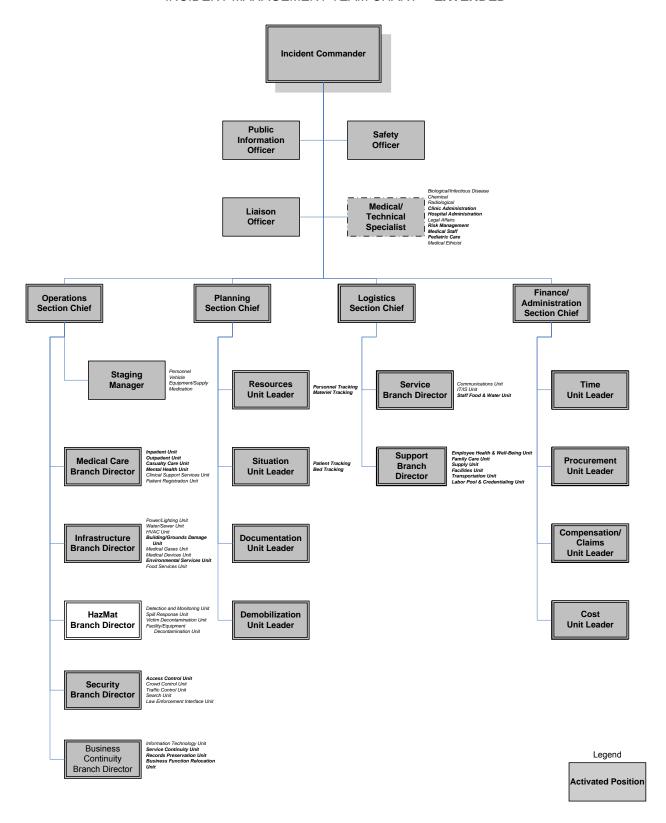


INCIDENT MANAGEMENT TEAM CHART -- INTERMEDIATE





INCIDENT MANAGEMENT TEAM CHART -- EXTENDED





INCIDENT MANAGEMENT TEAM CHART -- DEMOBILIZATION

